
Introduction

This document provides procedures to install, replace, or remove Primary Rate Interface (PRI) circuit cards, D-channel Interface (DCHI) cards, Multi-purpose Serial Data Link (MSDL) cards, Clock Controller cards, and ISDN Signaling Link (ISL) equipment.

Note 1: ISDN is an evolving product. To plan your system for future expansions, please consult with your Northern Telecom representative.

Note 2: Throughout this document, Meridian 1 refers to ST, STE, NT, RT, and XT as well as system options 21, 21E, 51, 51C, 61, 61C, 71, 81 and 81C unless otherwise noted.

Document organization

The document is organized as follows:

PRI equipment overview

- QPC757 DCHI
- NT6D80 MSDL
- QPC720 PRI
- Clock Operation

DCHI installation

- All Meridian 1 systems
- Installing the QPC757 DCHI
- Removing the QPC757 DCHI

MSDL installation

- All Meridian 1 systems
- Installing the NT6D80 MSDL
- Removing the NT6D80 MSDL

PRI installation

The ST/STE and system option 21/21E

Installing the QPC720 PRI

Removing the QPC720 PRI

RT

Installing the QPC720 PRI

Removing the QPC720 PRI

NT, and system options 51/51C and 61/61C

Installing the QPC720 PRI

Removing the QPC720 PRI

Installing an additional network shelf

XT, and system option 71

Installing the QPC720 PRI

Removing the QPC720 PRI

System option 81/81C

Installing the QPC720 PRI

Removing the QPC720 PRI

Clock Controller

Installing the QPC471 and 775

Removing the QPC471 and 775

Echo Canceller

All Meridian 1 systems

PRI to Echo Canceller pin assignments

Echo Canceller operating parameters

Echo Canceller initialization settings

ISL installation

All systems

ISL configurations

DCHI switch settings

MSDL switch settings

Shared mode

Dedicated mode using leased line

Dedicated mode using dial-up modem

Dedicated mode using DTI or PRI trunk

PRI wire list

Nonstandard cables
QCAD128
QCAD129
QCAD133
QCAD328
NTNT26 (X11 release 18 and later)
NTND27 (X11 release 18 and later)
NTND98 (X11 release 18 and later)

References

Refer to the following documents for additional information.

- *ISDN Primary Rate Interface description and administration* (553-2901-100)
- *Software conversion procedures* (553-2001-320)
- *Circuit card installation and testing* (553-3001-211)
- *Spares planning* (553-3001-153)
- *ISDN Primary Rate Interface maintenance* (553-2901-500)
- *X11 input/output guide* (553-3001-400)

Note to installers

Before beginning an installation, do the following:

- Consult the *Spares planning* (553-3001-153) document and follow the instructions.
- Bring spares of all cables and boards.
- Table 49, “Card slot positions for 21/ 21E, 51/51C, 61/61C, 71, and 81/81C,” on page 179 and Table 50, “Card slot positions for ST, STE, RT, NT, XT,” on page 180 illustrate acceptable positions for the QPC720, QPC414, QPC741, QPC775, QPC757, and NT6D80 cards. Use this chart to determine where you are placing your cards before you actually begin your installation.
- Refer to *ISDN Primary Rate Interface description and administration* (553-2901-100) and *X11 input/output guide* (553-3001-400) for database implementation.